



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C08F 8/34, 8/06, C12N 11/08, G01N 33/545	A1	(11) International Publication Number: WO 99/07751 (43) International Publication Date: 18 February 1999 (18.02.99)
(21) International Application Number: PCT/GB98/02264 (22) International Filing Date: 5 August 1998 (05.08.98) (30) Priority Data: 9716456.0 5 August 1997 (05.08.97) GB (71) Applicant (for all designated States except US): THE UNIVERSITY COURT OF THE UNIVERSITY OF ST. ANDREWS [GB/GB]; College Gate, North Street, St. Andrews, Fife KY16 9AJ (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): GANI, David [GB/GB]; Bois-Fleuris, Brownhills Farm Steading, Crail Road, St. Andrews, Fife KY16 8PZ (GB). KROLL, Friedrich, Erich, Karl [DE/GB]; 19 Forrest Street, St. Andrews, Fife KY16 8HG (GB). (74) Agent: OUZMAN, Beverley; Murgitroyd & Company, 373 Scotland Street, Glasgow G5 8QA (GB).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: VINYL SULPHONE MODIFIED POLYMER**(57) Abstract**

There is provided a polymer having a side chain of general formula (I) in which R may be any suitable alkyl, oxyalkyl, aryl or oxyaryl linking group R is preferably C₁₋₆ alkyl (especially -CH₂-), a benzene group or a group -CH₂-O-Phe-. Generally, the side chain will be attached to an ethylene moiety forming part of the backbone of the polymer. Preferred polymers include polystyrene. The polymer is useful as a support for solid phase chemical reactions especially combinatorial chemical synthesis.

